**	CLASSIFICATIO	FIDENTIAL.	_		2574
the second	Approved For Release		0045 715 01120002000	3-6	25X1
likiller	. INFORMAT	TION REPORT	CD NO.	4/3	
COUNTRY	USSR (Moscow - Kulbyshev Obl	asts)/Germany	DATE DISTR.	21 Mar 1952	
SUBJECT 25X1	High Tension Equipment in the Plant in Teply Stan		NO. OF PAGES	3	
PLACE ACQUIRED		7 ^{25X1}	NO. OF ENCLS.	1	
DATE OF INFO.		25X1	SUPPLEMENT TO	0	
THIS DOCUMENT	CONTAINS (REOR) 137 OF AFFECTING THE NATIONAL DEFENSE TATES. WITHIN THE WEARING OF TITLE 19. SECTIORS 799				
ARD "94, OF TH ATION OP ITS C STRONGHOUSED E	E U S. CODE, AS AMERIDED. ITS TRANSMISSION OR REVELONG TRANSPORT OF REPRESENTE BY AN URAUTHOUGH STORE IS PROHIBITED.	THIS IS UNE	EVALUATED INFORMA		5X1
1.					\neg
	leading Soviet engineers of	the Hinistry of Mect	rical Industry		 25X1
25X1		roblem of the Kuibysh		*E) - Moscow	25X1
25X1 25X1	were w	ell aware of the diff f the opinion that th	Ticulties of this	project.	23/1
20/(1	by establishing various residevelop a three-phase curren	arch institutes and b	y as signing cosmi	ssions to	
	mission for 500 kv. There w design the required high ten	as no expert engineer			
25X1		Sovi	et plans for the	Kuibyshev-	25X1
٥	hoscow power transmission in				
2.	scheduled to be a multicore	line (Buendelleiter).	. The Lescho-Kahl	a (E 51/	
	J 65) Ceremic Plant in Herms construct insulators. (1)	dorf (E 51/J 86) will	l p ossibly b e assi	ence to	25X1
3.		tage transformers are	e scheduled to be	developed for	23/(1
	a voltage of 400 kv. The tw VET Transformer Plant in Ber	o German transformer	plants, the Rarl	Liebknecht	
	AEG Plant) and the VET Transterzel Plant) in Dresden, w	sf <mark>or</mark> mer and X-ray Fla	ent (formerly the	Koch &	
	Before 1945, two calibrating	apparatuses (bichnor	male) were constr	ucted in	•
	Germany for a voltage of 400 the Physikalisch-Technische	Reichsanstalt (State	Physical-Technica	l Insti-	
	tute), and the other one, whin the U.S.S.R. (2)			nt, is now	
			ent No enge in Class. 🖂		
STATE #	CLASSIFICATION SECRE		classified		
	X AIR #X FBI	DOMESTIC DISC.	fianted To: TS S		25X1
		123 3	11-7-18		

Sold Real

	•	2	
	٠	CENTRAL INTELLIGENCE AGRACY.	25X1
05V4		The construction of 380 kv transformers is presently impossible in the 0.7.8.R. Seviet engineers obviously did not wish to deal with this problem. They even found it difficult to bendle the problems occurring in the construction of 220 kv transformers. The Seviet Lone of Germany is also unable to construct 380 kv transformers.	25X1
25X1 25X1		of German experts exployed in the construction of transformers were not able to solve this problem. The to these difficulties, Soviet engineers considered purchasing 330 kv transformers abroad.	25X1
25X1 25X1 25X1 25X1 25X1	5.	In 195 the new university quarter on the south- western cutskirts of Loscov, a large workshop building a modern extra-high tension installation. A Seviet engineer confirmed that this installation was the only saw direct current extra-high tension installation built by the Koch & Sterzel plant in	25X1 25X1
	6,	Dresden. (3) The plant in Teply Stan producing X-ray instruments for medical purposes was subordinate to the Ministry of Meetric Advistry, Main Department for Electric Apparatuses including	25X1
25X1		Chewelektroapparat (sic). In 1940, In 1	25X1 25X1
	7	The plant produced the same X-ray equipment as the former Koch & Sterzel plant. In the beginning the equipment produced was of poor quality. However, in 1951, the quality of the equipment compared in every respect with the previous German production. The X-ray tubes were delivered by a Lemingrad plant which employed a group of Germans who had been deported from the Phoenix Plant in Audolstadt (F 51/J 54). The finished equipment was accepted by the Moscow X-ray institute. Instrument transformers and high tension test equipment of standard design were also produced.	25X1 p=
	8,	About 1,000 workers were employed in 1931. About 15 people were employed in the technical designing office in 1947, and about 20, half of them wemen, in 1950. A special test department namefactured models of equipment designed by the technical designing office. The Soviet chief electrical engineer of the plant was Shadhov (fnu).	
25X1	9.	hower was supplied to Plant by the transformer station in Kommunarka. The power supply to the suburbs of Moscow was poor during the entire period of observation. Only the city area of Moscow, in a radius of 22 km from the town center, was always sufficiently and reliably supplied. Moscow, all factories located outside this zone were compelled because of load balancing to work only in two shifts and to suspend operation during one weekday designated by the power center. Electric power was available to the civilian population only from 5 p.m. to 3 a.m. and for one and a half hours during meantime. Then electric power was shut off in the evening it usually remained off for the entire night. The voltage of the 220 V network varied between 120 and 250 V.	
25X1	8		
	3		
	<u> </u>		

Approved For Release 2006/04/20 : CIA-RDP 57R011200020003-6

Release 2006/04/20 : CIA-RDP 10/15

٠				
	CENTRAL.	TAPPET.T.	TOWNER	ACENCY

25X1 25X1

3)	A laboratory for nuclear physics which was attached to the Physical Science
	Institute was located in the southwest part of Loscow, on the Kalushshaya ul.
	in the Leninski town sector. It is possible that this laboratory is the
	installation referred to.

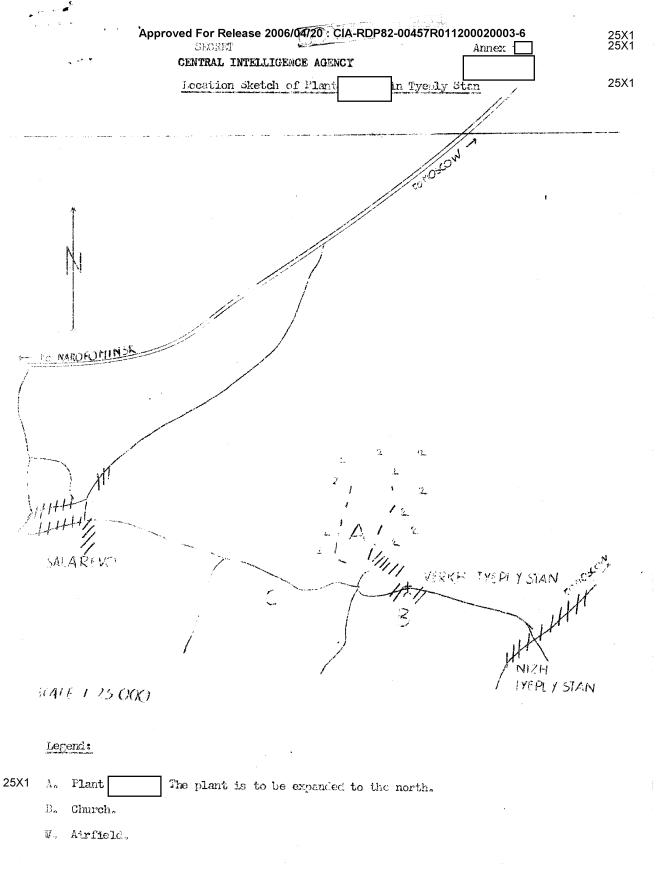
(4) For location shetch of this plant, see Annex.

25X1

Comment: For "Main Department" read "Chief Directorate".

Glavelektroapparat would not be "included" in the Chief Directorate for
Electric Apparatus; it is the portmanteau title of that chief directorate.





SHORKT - CONTROL